

WHAT IS CLAIMED IS:

1 505
2 A2 1. A hub document preparation method for preparing
3 a hub document which describes entity declarations for
4 referring to entities of a plurality of structured
5 documents individually corresponding to a plurality
6 of non-structured documents in order to prepare a
7 single hub document format structured document from
8 the plurality of non-structured documents, comprising
9 the steps of:
10 setting in advance an original document storage
11 area for storing the non-structured documents and a
12 structured document storage area for storing
13 structured documents obtained by conversion of the
14 non-structured documents;
15 storing, each time one of the plurality of
16 non-structured documents to be included in the hub
17 document format structured document is prepared or
18 edited, the non-structured document into the original
19 document storage area;
20 converting the non-structured documents stored
21 in the original document storage area into structured
22 documents and storing the structured documents into
23 the structured document storage area;
24 acquiring document names of the plurality of
25 structured documents stored in the structured document
storage area and preparing entity declarations for

26 referring to entities of the structured documents; and
27 preparing the hub document based on the entity
28 declarations regarding the structured documents.

1 2. A hub document preparation method as claimed in
2 claim 1, wherein, in addition to the original document
3 storage area and the structured document storage area,
4 an attachment file storage area for storing attachment
5 files attached to the non-structured documents and
6 entity declarations regarding the attachment files is
7 set in advance, and, upon preparation or editing of
8 any of the plurality of structured documents to be
9 included in the hub document format structured
10 document, if an attachment file is attached to the
11 non-structured document, then the attachment file is
12 stored into the attachment file storage area and an
13 entity declaration for referring to an entity of the
14 attachment file is prepared and stored into the
15 attachment file storage area, and then the entity
16 declarations regarding the attachment files stored in
17 the attachment file storage area are extracted and the
18 hub document is prepared based on the entity
19 declarations regarding the attachment files and the
20 entity declarations regarding the structured
21 documents.

1 3. A hub document preparation method as claimed in

2 claim 1, wherein, in addition to the original document
3 storage area and the structured document storage area,
4 an attachment file storage area for storing attachment
5 files attached to the non-structured documents and an
6 entity declaration storage area for storing entity
7 declarations regarding the attachment files are set
8 in advance, and, upon preparation or editing of any
9 of the plurality of non-structured documents to be
10 included in the hub document format structured
11 document, if an attachment file is attached to the
12 non-structured document, then the attachment file is
13 stored into the attachment file storage area and an
14 entity declaration for referring to an entity of the
15 attachment file is prepared and stored into the
16 attachment file storage area, and then the entity
17 declarations regarding the attachment files stored in
18 the entity declaration storage areas are extracted and
19 the hub document is prepared based on the entity
20 declarations regarding the attachment files and the
21 entity declarations regarding the structured
22 documents.

1 4. A hub document preparation method as claimed in
2 claim 1, wherein the entity declarations of the
3 structured documents have file names same as file names
4 of the original non-structured documents individually
5 corresponding to the structured documents.

1 5. A hub document preparation method as claimed in
2 claim 2, wherein the entity declarations of the
3 structured documents have file names same as file names
4 of the original non-structured documents individually
5 corresponding to the structured documents.

1 6. A hub document preparation method as claimed in
2 claim 3, wherein the entity declarations of the
3 structured documents have file names same as file names
4 of the original non-structured documents individually
5 corresponding to the structured documents.

1 7. A hub document preparation method as claimed in
2 claim 1, wherein the entity declarations regarding the
3 attachment files stored in the entity declaration
4 storage area have file names same as file names of the
5 non-structured documents to which the attachment files
6 are attached.

1 8. A hub document preparation method as claimed in
2 claim 2, wherein the entity declarations regarding the
3 attachment files stored in the entity declaration
4 storage area have file names same as file names of the
5 non-structured documents to which the attachment files
6 are attached.

1 9. A hub document preparation method as claimed in
2 claim 3, wherein the entity declarations regarding the
3 attachment files stored in the entity declaration
4 storage area have file names same as file names of the
5 non-structured documents to which the attachment files
6 are attached.

1 10. A hub document preparation method as claimed in
2 claim 4, wherein the entity declarations regarding the
3 attachment files stored in the entity declaration
4 storage area have file names same as file names of the
5 non-structured documents to which the attachment files
6 are attached.

1 11. A hub document preparation method as claimed in
2 claim 5, wherein the entity declarations regarding the
3 attachment files stored in the entity declaration
4 storage area have file names same as file names of the
5 non-structured documents to which the attachment files
6 are attached.

1 12. A hub document preparation method as claimed in
2 claim 6, wherein the entity declarations regarding the
3 attachment files stored in the entity declaration
4 storage area have file names same as file names of the
5 non-structured documents to which the attachment files
6 are attached.

1 13. A hub document preparation method as claimed in
2 claim 1, wherein the attachment files are graphic files
3 each of which includes graphic information.

1 14. A hub document preparation method as claimed in
2 claim 2, wherein the attachment files are graphic files
3 each of which includes graphic information.

1 15. A hub document preparation method as claimed in
2 claim 3, wherein the attachment files are graphic files
3 each of which includes graphic information.

1 16. A hub document preparation method as claimed in
2 claim 4, wherein the attachment files are graphic files
3 each of which includes graphic information.

1 17. A hub document preparation method as claimed in
2 claim 5, wherein the attachment files are graphic files
3 each of which includes graphic information.

1 18. A hub document preparation method as claimed in
2 claim 6, wherein the attachment files are graphic files
3 each of which includes graphic information.

1 19. A hub document preparation method as claimed in
2 claim 7, wherein the attachment files are graphic files

3 each of which includes graphic information.

1 20. A hub document preparation method as claimed in
2 claim 8, wherein the attachment files are graphic files
3 each of which includes graphic information.

1 21. A hub document preparation method as claimed in
2 claim 9, wherein the attachment files are graphic files
3 each of which includes graphic information.

1 22. A hub document preparation method as claimed in
2 claim 10, wherein the attachment files are graphic
3 files each of which includes graphic information.

1 23. A hub document preparation method as claimed in
2 claim 11, wherein the attachment files are graphic
3 files each of which includes graphic information.

1 24. A hub document preparation method as claimed in
2 claim 12, wherein the attachment files are graphic
3 files each of which includes graphic information.

1 25. A hub document preparation method as claimed in
2 claim 1, wherein the structured documents are Standard
3 Generalized Markup Language documents whose document
4 structure is defined by a Document Type Definition.

1 26. A hub document preparation method as claimed in
2 claim 2, wherein the structured documents are Standard
3 Generalized Markup Language documents whose document
4 structure is defined by a Document Type Definition.

1 27. A hub document preparation method as claimed in
2 claim 3, wherein the structured documents are Standard
3 Generalized Markup Language documents whose document
4 structure is defined by a Document Type Definition.

1 28. A hub document preparation method as claimed in
2 claim 4, wherein the structured documents are Standard
3 Generalized Markup Language documents whose document
4 structure is defined by a Document Type Definition.

1 29. A hub document preparation method as claimed in
2 claim 5, wherein the structured documents are Standard
3 Generalized Markup Language documents whose document
4 structure is defined by a Document Type Definition.

1 30. A hub document preparation method as claimed in
2 claim 6, wherein the structured documents are Standard
3 Generalized Markup Language documents whose document
4 structure is defined by a Document Type Definition.

1 31. A hub document preparation method as claimed in
2 claim 7, wherein the structured documents are Standard

3 Generalized Markup Language documents whose document
4 structure is defined by a Document Type Definition.

1 32. A hub document preparation method as claimed in
2 claim 8, wherein the structured documents are Standard
3 Generalized Markup Language documents whose document
4 structure is defined by a Document Type Definition.

1 33. A hub document preparation method as claimed in
2 claim 9, wherein the structured documents are Standard
3 Generalized Markup Language documents whose document
4 structure is defined by a Document Type Definition.

1 34. A hub document preparation method as claimed in
2 claim 10, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 35. A hub document preparation method as claimed in
2 claim 11, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 36. A hub document preparation method as claimed in
2 claim 12, wherein the structured documents are

3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 37. A hub document preparation method as claimed in
2 claim 13, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 38. A hub document preparation method as claimed in
2 claim 14, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 39. A hub document preparation method as claimed in
2 claim 15, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 40. A hub document preparation method as claimed in
2 claim 16, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 41. A hub document preparation method as claimed in
2 claim 17, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 42. A hub document preparation method as claimed in
2 claim 18, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 43. A hub document preparation method as claimed in
2 claim 19, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 44. A hub document preparation method as claimed in
2 claim 20, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 45. A hub document preparation method as claimed in
2 claim 21, wherein the structured documents are

3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 46. A hub document preparation method as claimed in
2 claim 22, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 47. A hub document preparation method as claimed in
2 claim 23, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.

1 48. A hub document preparation method as claimed in
2 claim 24, wherein the structured documents are
3 Standard Generalized Markup Language documents whose
4 document structure is defined by a Document Type
5 Definition.